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# ABSTRACT

An optical attenuator includes an input optical fiber (11) and an attenuating device (3). The attenuating device is a neutral density (ND) filter. The filter has a refractive index matching that of the input optical fiber, to reduce Fresnel reflectance between the attenuating device and a terminal of the input optical fiber. One surface of the ND filter is not perpendicular to an incident light beam, thus preventing multireflectance between the attenuating device and the terminal of the input optical fiber. Therefore, return loss is increased.

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